

## ABSTRACT

A two bladed dual direction impeller includes blades that each have an inner blade portion that forces material in a first direction and a second blade portion that forces material in a second direction opposite to the first direction. The first and second blade portions are radially spaced from each other by a connector element. Either one or both of the blade portions may be twisted.

He had a very good time, and when he got home he told his wife all about it.